

R307. Environmental Quality, Air Quality.**R307-348. Magnet Wire Coating.****R307-348-1. Purpose.**

The purpose of this rule is to limit volatile organic compound (VOC) emissions from ovens of magnet wire coating operations.

R307-348-2. Applicability.

R307-348 applies to magnet wire coating operations, including related cleaning activities, that have the potential to emit 2.7 tons per year of VOC and are located in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties.

R307-348-3. Definitions.

The following additional definitions apply to R307-348:

"Low solvent coating" means coatings that contain less organic solvents than the conventional coatings used by industry. Low organic solvent coatings include water-borne, higher-solids, electrodeposition, and powder coatings.

"Magnet wire coating" means the process of applying coating of electrical insulating varnish or enamel to aluminum or copper wire for use in electrical machinery.

R307-348-4. Emission Standards.

(1) Each owner or operator shall not apply coatings with a VOC content in excess of 1.7 pounds per gallon, excluding water, delivered to the coating applicator from magnet wire coating operations; or.

(2) Shall use an add-on control device as specified in R307-348-7.

R307-348-5. Work Practices and Recordkeeping.

(1) The owner or operator shall:

(a) Store all VOC-containing coatings, thinners, and cleaning materials in closed containers;

(b) Minimize spills of VOC-containing coatings, thinners, and cleaning materials;

(c) Clean up spills immediately;

(d) Convey any coatings, thinners, and cleaning materials in closed containers or pipes;

(e) Close mixing vessels that contain VOC coatings and other materials except when specifically in use;

(f) Minimize usage of solvents during cleaning of storage, mixing, and conveying equipment; and

(g) Dispose of dirty cleanup solvent by recycling, reclaiming, or by incineration in an incinerator approved to process hazardous materials or by an alternate means approved by the director.

(2) The owner or operator shall maintain records from the manufacturer that demonstrates compliance with the emission standards of R307-348-4.

R307-348-6. Optional Add-On Controls.

The owner or operator may install and maintain an incinerator, carbon adsorption, or any other add-on emission control device, provided that the emission control device will attain at least

1 90% efficiency performance.

2 (2) The owner or operator of a control device shall provide
3 certification from the manufacturer that the emission control system
4 will attain required efficiency performance.

5 (3) Emission control systems shall be operated and maintained
6 in accordance with the manufacturer recommendations. The owner or
7 operator shall maintain for a minimum of two years records of operating
8 and maintenance sufficient to demonstrate that the equipment is being
9 operated and maintained in accordance with the manufacturer
10 recommendations.

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12 **R307-348-7. Compliance Schedule.**

13 All sources in Davis and Salt Lake counties shall be subject to
14 this rule upon the effective date. Sources in Box Elder, Cache, Utah,
15 Tooele, and Weber counties shall be in compliance with the rule by
16 September 1, 2013.

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18 **KEY: air pollution, emission controls, surface coating**

19 **Date of Enactment or Last Substantive Amendment: 2012**

20 **Authorizing, and Implemented or Interpreted Law: 19-2-104(1)(a)**
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